

| Application No. | Applicant(s)    |  |  |  |  |  |  |  |
|-----------------|-----------------|--|--|--|--|--|--|--|
| 09/683,642      | SHIGAPOV ET AL. |  |  |  |  |  |  |  |
| Examiner        | Art Unit        |  |  |  |  |  |  |  |
|                 |                 |  |  |  |  |  |  |  |
| Diem Tran       | 3748            |  |  |  |  |  |  |  |

|  |                    | IS             | SUE CL                            | .ASSIF   | ICATIO                 | N                        |                    |  |  |  |  |  |  |  |
|--|--------------------|----------------|-----------------------------------|----------|------------------------|--------------------------|--------------------|--|--|--|--|--|--|--|
| C  | ORIGINAL           |                | CROSS REFERENCE(S)                |          |                        |                          |                    |  |  |  |  |  |  |  |
| CLASS                                      | SUBCLASS           | CLASS          | SUBCLASS (ONE SUBCLASS PER BLOCK) |          |                        |                          |                    |  |  |  |  |  |  |  |
| 60   | 295                | 60             | 274                               | 311      | 297                    |                          |                    |  |  |  |  |  |  |  |
| tation and a Table and a                   | NAL CLASSIFICATION | -              |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
| FOIN                                       | J 3/00             |                |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
|  | 7                  |                |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
|  | /                  |                |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
|  |                    |                |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
|  | /                  |                |                                   |          |                        |                          |                    |  |  |  |  |  |  |  |
| Rembrau 8/9/04 (Assistant Examiner) (Daje) |                    |                | SUB                               | MOMT     | as denion<br>Patent ex | Total Claims Allowed: 26 |                    |  |  |  |  |  |  |  |
| Dawn                                       | Brewlr 8           | IO/OU<br>Date) | Ti                                | ECHNOLOG | Y CENTER               | O.<br>Print C            | O.G.<br>Print Fig. |  |  |  |  |  |  |  |

|          | Claims renumbered in the same order as presented by applicant |                                       |       |          |   |       |          | c | PA    | □ T.     | D. | ☐ R.1.47 |          |       |          |       |          |
|----------|---|---------------------------------------|-------|----------|---|-------|----------|---|-------|----------|----|----------|----------|-------|----------|-------|----------|
| Final    | Original  | 819104                                | Final | Original |   | Final | Original |   | Final | Original |    | Final    | Original | Final | Original | Final | Original |
| 1        | 1   |                                       |       | 31       |   |       | 61       |   |       | 91       |    |          | 121      |       | 151      |       | 181      |
| 2        | 2   |                                       |       | 32       |   |       | 62       |   |       | 92       |    |          | 122      |       | 152      |       | 182      |
| 3        | 3   |                                       |       | -33      |   |       | 63       |   |       | 93       |    |          | 123      |       | 153      |       | 183      |
|          | 4   |                                       |       | 34       | 1:::::::::::::::::::::::::::::::::::::: |       | 64       |   |       | 94       |    |          | 124      |       | 154      |       | 184      |
| 5        | 5   |                                       |       | 35       | 1                                       |       | 65       |   |       | 95       |    |          | 125      |       | 155      |       | 185      |
| 6        | 6   |                                       |       | 36       |   |       | 66       |   |       | 96       |    |          | 126      |       | 156      |       | 186      |
| 7        | 7   |                                       |       | 37       |   |       | 67       |   |       | 97       |    |          | 127      |       | 157      |       | 187      |
| 8        | 8   |                                       |       | 38       |   |       | 68       |   |       | 98       |    |          | 128      |       | 158      |       | 188      |
| 9        | 9   |                                       |       | 39       |   |       | 69       |   |       | 99       |    |          | 129      |       | 159      |       | 189      |
| 11       | 10)   |                                       |       | 40       |   |       | 70       |   |       | 100      |    |          | 130      |       | 160      |       | 190      |
| 12       | 11  |                                       |       | 41       |   |       | 71       |   |       | 101      |    |          | 131      |       | 161      |       | 191      |
| 13       | 12  |                                       |       | 42       | 1                                       |       | 72       |   |       | 102      |    |          | 132      |       | 162      |       | 192      |
| 14       | 13  |                                       |       | 43       |   |       | 73       |   |       | 103      |    |          | 133      |       | 163      |       | 193      |
| 15       | 14  |                                       | ·     | 44       |   |       | 74       |   |       | 104      |    |          | 134      |       | 164      |       | 194      |
| 16       | 15  |                                       |       | 45       |   |       | 75       |   |       | 105      |    |          | 135      |       | 165      |       | 195      |
| 17       | 16  |                                       |       | 46       |   |       | 76       |   |       | 106      |    |          | 136      |       | 166      |       | 196      |
| 18       | 17  |                                       |       | 47       | 1                                       |       | 77       |   |       | 107      |    |          | 137      |       | 167      |       | 197      |
|          | 18  |                                       |       | 48       |   |       | 78       |   |       | 108      |    |          | 138      |       | 168      |       | 198      |
| 19<br>20 | 19  | V                                     |       | 49       |   |       | 79       |   |       | 109      |    |          | 139      |       | 169      |       | 199      |
| 21       | 20  |                                       |       | 50       |   |       | 80       |   |       | 110      |    |          | 140      |       | 170      |       | 200      |
| ,        | 24  |                                       |       | 51       |   |       | 81       |   |       | 111      |    |          | 141      |       | 171      |       | 201      |
| 22       | 22  | =                                     |       | 52       |   |       | 82       |   |       | 112      |    |          | 142      |       | 172      |       | 202      |
| 23       | 23  |                                       |       | 53       |   |       | 83       |   |       | 113      |    |          | 143      |       | 173      |       | 203      |
| 24       | (24)  |                                       |       | 54       |   |       | 84       |   |       | 114      |    |          | 144      |       | 174      |       | 204      |
| 25       | 23<br>(24)<br>(25)<br>(26)<br>27                              | \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ |       | 55       |   |       | 85       | ] |       | 115      |    |          | 145      |       | 175      |       | 205      |
| 26       | <b>26</b>   | <u>¥</u>                              |       | 56       |   |       | 86       |   |       | 116      |    |          | 146      |       | 176      |       | 206      |
|          | 2   |                                       |       | 57       |   |       | 87       |   |       | 117      |    |          | 147      |       | 177      |       | 207      |
|          | 28  |                                       |       | 58       |   |       | 88       |   |       | 118      |    |          | 148      |       | 178      |       | 208      |
| 10       | 28<br>29<br>30  | =                                     |       | 59       |   |       | 89       |   |       | 119      |    |          | 149      |       | 179      |       | 209      |
|          | 30  |                                       |       | 60       |   |       | 90       |   |       | 120      |    |          | 150      |       | 180      |       | 210      |